IN THE DRAWINGS

Please replace Drawing Sheet 2, including Fig. 2, with the attached Replacement Sheet, including amended Fig. 2.

Please replace Drawing Sheet 4, including Fig. 4, with the attached Replacement Sheet, including amended Fig. 4.

Please replace Drawing Sheet 5, including Fig. 5, with the attached Replacement Sheet, including amended Fig. 5.

Please replace Drawing Sheet 8, including Fig. 8, with the attached Replacement Sheet, including amended Fig. 8.

For the Examiner's convenience, changes made to Fig. 2, Fig. 4, Fig. 5, and Fig. 8 are noted in red on the attached Annotated Sheets.

REMARKS

Claims 1-49 were presented for examination and were pending in this application. In an Official Action dated August 12, 2005, claims 1-49 were rejected. Applicants thank Examiner for examination of the claims pending in this application and addresses Examiner's comments below.

Applicants herein amend claims 1, 4, 6, 12, 23, 31, 32, 37-41, and 49. New claims 50-51 are added. These changes are believed not to introduce new matter, and their entry is respectfully requested. Applicants respectfully submit that the new claims are fully supported by the specification and are within the scope of protection to which Applicants believe they are entitled. Reconsideration of the application in view of the above Amendments and the following Remarks is respectfully requested.

Amendments to the Specification

Applicants have amended portions of the specification as follows to correct typographical and grammatical errors noticed during prosecution.

Amendments were made to paragraphs [0006], [0007], [0040], [0043], [0058], and [0064] to correct typographical and/or grammatical errors. Paragraphs [0024], [0028], [0036], [0039], and [0060] were amended to correct typographical errors with respect to identification of user interfaces 110a and/or 110b. Paragraph [0028] was additionally amended to relocate existing reference numeral 215 for clarity. Paragraph [0031] was amended to correct a typographical error with respect to identifying printer 100. Paragraph [0041] was amended to clarify the discussion of the ultrasonic pen capture device hardware module 365. Paragraph [0058] was additionally amended to identify reference numeral 704, which was originally present in Fig. 7. Paragraph [0060] was additionally amended to identify reference numeral 708, which was originally present in Fig. 7.

Paragraph [0064] was additionally amended to relocate reference numeral 804 for clarity, to correct typographical errors in identifying UI listener 854, and to include reference numeral 806, which was originally present in Fig. 8. Lastly, various amendments were made to paragraph [0065] to correct typographical and/or grammatical errors, to identify the printer with reference numeral 856, to identify the UI listener with reference numeral 854, to relocate reference numeral 810 for clarity, to correct typographical errors in identifying user 850, to correct typographical errors in identifying application server 858, to include reference numeral 820, which was included in original Fig. 8, and to include reference numeral 822, which was added to Fig. 8 by amendment.

Applicants respectfully submit that no new matter is introduced as a result of these amendments.

Amendments to the Drawings

In compliance with 37 C.F.R. § 1.121, Applicants submit and request acceptance of Replacement Sheets for Drawing Sheets 2, 4, 5, and 8. Annotated Sheets showing amendments made to Fig. 2, Fig. 4, Fig. 5, and Fig. 8 in red ink are also included for the Examiner's convenience.

Applicants have amended Fig. 2 to state "Receive multimedia data 205." This amendment is supported by the specification in paragraph [0026]. Applicants have amended Fig. 4 to explicitly include a dashed outline and a reference numeral 115 to identify printed output system 115. This amendment is supported by Fig. 1 and paragraphs [0043]-[0046] of the specification. Applicants have amended Fig. 5 to explicitly include a dashed outline and a reference numeral 120 to identify electronic output system 120. This amendment is supported by Fig. 1 and paragraphs [0047]-[0054] of the specification. Applicants have amended Fig. 8 to attach all lead lines to the proper boxes or

arrows, to relocate reference numerals 808 and 814 to facilitate attaching their respective lead lines to the proper arrows, and to include reference numeral 822 to identify a reply sent from the application server 858 to the printer 856. The addition of reference numeral 822 is supported by paragraph [0065] of the specification.

Approval of the Proposed Drawing Changes is respectfully requested. It is also respectfully requested that the Examiner explicitly indicate his approval thereof in the next official communication.

Amendments to the Claims

In addition to amendments that are discussed in detail in following sections, the Applicants have additionally amended claims 12, 23, 31, 32, 37-40, and 49. Claim 12 is amended to correct a grammatical error in antecedent basis identifying "a USB interface." Claims 23 and 49 are amended to correct a typographical error in identifying "a digital video recorder," thereby supplying antecedent basis. Claims 31 and 32 are amended to explicitly recite the "multimedia processing system" for clarity. Claims 37-40 are amended to correct a typographical error in identifying the "multimedia processing system." Applicants respectfully submit that no new matter is introduced as a result of these amendments.

Rejection Under 35 U.S.C. § 112, Paragraph 2

In the 2nd paragraph of the Office Action, Examiner rejected claims 4 and 6-7 as allegedly not particularly pointing out and distinctly claiming the subject matter that the Applicants regard as the invention.

Applicants have amended claim 4 to depend from claim 3, thus providing antecedent basis for the phrase "the printed output" in claim 4. Applicants have amended claim 6 to depend from claim 1.

Accordingly, Applicants respectfully submit that claims 4 and 6-7 are now in compliance with 35 U.S.C. § 112, Second Paragraph, and request that Examiner withdraw the rejection.

Rejection Under 35 U.S.C. § 102(b)

In the 4th paragraph of the Office Action, Examiner rejected claims 1-3, 16, 21, 24-25, 41-42, and 47 under 35 U.S.C. § 102(b) as allegedly being anticipated by U.S. Patent No. 5,633,723 to Sugiyama et al. ("Sugiyama"). This rejection is now traversed.

Independent Claims 1 and 41

Independent claim 1 has been amended to recite:

> A system for printing time-based media, the system comprising:
> a printing sub-system for receiving and printing standard document formats;
> an interface for receiving the time-based media data from a media source, the interface physically coupled to the printing sub-system;
> a multimedia processing system coupled to the interface to receive the time-based media, the multimedia processing system determining an electronic representation of the time-based media; and
> a first output device in communication with the multimedia processing system to receive the electronic representation, the first output device producing a corresponding electronic output from the electronic representation of the time-based media.

Applicants respectfully submit that amended claim 1 is patentably distinct from Sugiyama because Sugiyama cannot receive and print standard document formats. As shown in Figure 1 of Sugiyama, the only input to the "video printer" is a video signal, and the system of Figure 1 of Sugiyama is dedicated to printing representations of the input video signal. Applicants' system, on

the other hand, is a multi-functional system that includes "a printing sub-system for receiving and printing standard document formats," as well has an interface, a multimedia processing system, and a first output device for producing an electronic representation and output of time-based media. The Applicants' multi-functional system is beneficial because it includes both standard document printing and video printing in one system, saving processing resources and facilitating integration of time-based media with standard documents via the integrated printing system. The Applicants' multi-functional system also increases user friendliness, particularly with respect to producing and storing both printed and electronic representations of the time-based media.

Independent claim 41, which recites a method for printing time-based media, has also been amended to recite, in pertinent part, "being capable of receiving and printing standard document formats," which is not disclosed by Sugiyama, as discussed above with reference to claim 1. Hence, Applicants respectfully submit that claim 41 is also patentably distinct from Sugiyama.

Based on the above Amendments and Remarks, Applicants respectfully submit that for at least these reasons both claims 1 and 41 are patentably distinguishable over the cited reference. Therefore, Applicants respectfully request that Examiner reconsider the rejection and withdraw it.

Dependent Claims 2-3, 16, 21, 24-25, 42, and 47

As claims 2-3, 16, 21, and 24-25 are dependent on claim 1, and claims 42 and 47 are dependent on claim 41, all arguments advanced above with respect to claims 1 and 41 are hereby incorporated so as to apply to claims 2-3, 16, 21, and 24-25, and to claims 42 and 47, respectively. Thus, Applicants respectfully assert that claims 2-3, 16, 21, 24-25, 42, and 47 are also patentable over Sugiyama. Therefore, Applicants respectfully request that the Examiner reconsider and withdraw the rejections of the dependent claims as well.

Rejection Under 35 U.S.C. § 103(a)

In paragraphs 6-16 of the Office Action, Examiner rejected the rest of the dependent claims (4-15, 17-20, 22-23, 26-40; and 43-46 and 48-49) under 35 U.S.C. § 103(a) as allegedly being unpatentable over Sugiyama in view of various references, including U.S. Patent No. 6,193,658 to Wendelken et al. ("Wendelken") (claims 4-6 and 43-44); Wendelken, U.S. Patent Application Publication 2003/0220988 A1 to Hymel ("Hymel"), and U.S. Patent Application Publication 2002/0185533 A1 to Shieh et al. ("Shieh") (claims 7 and 45); U.S. Patent No. 6,118,888 to Chino et al. ("Chino") (claims 8 and 38-40); Shieh (claims 9, 11-14, and 18); U.S. Patent Application Publication 2002/0010641 A1 to Stevens et al. ("Stevens") (claim 10); Hymel (claims 15, 20, 22, 46, and 48); U.S. Patent Application Publication 2002/0048224 A1 to Dygert et al. ("Dygert") (claims 17and 27-36); Shieh, Hymel, and U.S. Patent No. 5,568,406 to Gerber ("Gerber") (claim 19); Shieh, Hymel, and U.S. Patent No. 4,881,135 to Heilweil ("Heilweil") (claims 23 and 49); U.S. Patent No. 4,807,186 to Ohnishi et al. ("Ohnishi") (claim 26); and U.S. Patent No. 4,754,485 to Klatt ("Klatt") (claim 37). These rejections are respectfully traversed.

Claims 4-15, 17-20, 22-23, 26-40 depend directly or indirectly from claim 1. Claims 43-46, and 48-49 depend directly or indirectly from independent claim 41.

Applicants have amended independent claim 1 to recite, in pertinent part, "a printing sub-system for receiving and printing standard document formats." Applicants have also amended independent claim 41 to similarly recite, in pertinent part, "being capable of receiving and printing standard document formats." As discussed above with reference to the 35 U.S.C. § 102(b) rejection, Sugiyama does not disclose or render obvious a multi-functional printing system that is capable of printing both standard document formats and representations of time-based media.

Applicants further submit that the multi-functional printing system, including both standard printing and time-based media printing features, is not disclosed or rendered obvious by any of the references Wendelken, Hymel, Shieh, Chino, Stevens, Dygert, Gerber, Heilweil, Ohnishi, or Klatt, either alone or in combination with Sugiyama.

Applicants further respectfully submit that claims 4-15, 17-20, 22-23, 26-40, 43-46, and 48-49 recite patentable subject matter not disclosed or rendered obvious by the cited references, either alone or in combination.

Particularly regarding claims 13-14, the Examiner identified the flash card insertion port 10, as shown in Fig. 3 of Shieh, as a "docking station." Applicants respectfully disagree with this characterization. Fig. 3 of Shieh shows various physical embodiments of flash card readers, each having a flash card insertion port 10, where each reader can couple directly into the USB port of a laptop. Just as the USB port itself is not considered a "docking station," Applicants respectfully submit that neither is a flash card reader considered a "docking station" by those of skill in the art. Thus, Applicants submit that Shieh does not disclose that the "interface comprises a docking station," as recited in Applicants' claim 13. Since claim 14 depends from claim 13, Applicants respectfully submit that Shieh also does not disclose a docking station "built into the system," as required by Applicants' claim 14.

Particularly regarding claim 27, the Examiner stated, "Dygert discloses generating a web page representation of the multimedia (figure 5; para. 30, lines 1-4; and para. 52, lines 18-24...)." Applicants respectfully disagree. Figure 5 shows the configuration of a data record in the non-volatile memory of the playback device (paragraph 18 and paragraph 25, lines 1-4). Paragraph 30, lines 1-4, describes communication with the database over the Internet; this is merely sending packets of information over the Internet, but not generating a web page. Paragraph 52, lines 18-24,

describes comparing program metadata to a guide provided over the Internet; again, this need not encompass generating a web page. Thus, none of the listed citations discloses or renders obvious a "multimedia processing system [] configured to generate a web page representation of the multimedia," as recited by Applicants' claim 27.

Particularly regarding claim 29, the Examiner stated, "Dygert discloses a multimedia processing system ... controlling the functionality of said media source (para. 44, lines 1-2, lines 7-9 and lines 12-15 ...)." Applicants respectfully disagree. Paragraph 44 discusses the communication device 22 of Dygert's playback device sending a query to remote database 13. Although the remote database responds to the query, the database is controlling its own response. The playback device does not actually control any functionalities of the remote database, such as adding or deleting data entries. Thus, Dygert does not disclose a "multimedia processing system [that] is configured to control functionality in the media source," as required by Applicants' claim 29.

Particularly regarding claim 31, the Examiner stated, "Dygert discloses automatically detecting a communicative coupled of the media source ... (para. 29, lines 1-3 and para. 31, lines 2-5 and lines 13-17 ...)." Applicants respectfully disagree. Paragraph 29, lines 1-3, of Dygert merely states that communication between the playback device and the remote database can use any conventional protocol. This does not encompass detection of the presence of the remote database, but merely communication once a link has been established. Paragraph 31 of Dygert discusses a local recording transport 12 (e.g., a CD drive) accessing a recording on the CD. This is not automatic detection of the presence of the remote database 13 (i.e., the media source). Applicants' printing system advantageously includes automatic detection of the media source, thereby increasing user friendliness of the system. Thus, Dygert does not disclose a "multimedia processing system

[that] is configured to automatically detect a communicative coupling of the media source," as required by Applicants' claim 31.

Particularly regarding claim 36, the Examiner stated, "Dygert discloses that said database server comprises a web search engine (para. 32, lines 1-6 and para. 42, lines 1-3 ...)." Applicants respectfully disagree. Paragraphs 32 and 42 describe accessing CD and track titles from a "large database" called "CDDB." CDDB is a web-accessed database (paragraph 7, lines 7-10). CDDB is not a search engine; all of its information is stored locally, and it does not search the web for any other information. Thus, Dygert does not disclose the "database server comprises a web search engine," as required by Applicants' claim 36.

Based on the above Amendments and Remarks, Applicants respectfully submit that for at least these reasons claims 4-15, 17-20, 22-23, 26-40, 43-46, and 48-49 are patentably distinguishable over the cited references, both alone and in combination. Therefore, Applicants respectfully request that Examiner reconsider and withdraw the 35 U.S.C. § 103(a) rejection.

CONCLUSION

Applicants' have added new claims 50-51 for which Applicants request consideration and examination. Applicants respectfully submit that these are supported by the specification and are commensurate within the scope of protection to which Applicants' believe they are entitled.

In addition, Applicants respectfully submit that claims 1-49, as presented herein, as well as claims 50-51, are patentably distinguishable over all of the art of record. Therefore, Applicants request reconsideration of the basis for the rejections to claims 1-49, and request allowance of all of the claims 1-51.

Finally, Applicants respectfully invite Examiner to contact Applicants' representative at the number provided below if Examiner believes it will help expedite furtherance of this application.

Respectfully submitted,
PETER E. HART, ET AL.

Dated: 11/10/05

By: _____

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Annotated Sheet

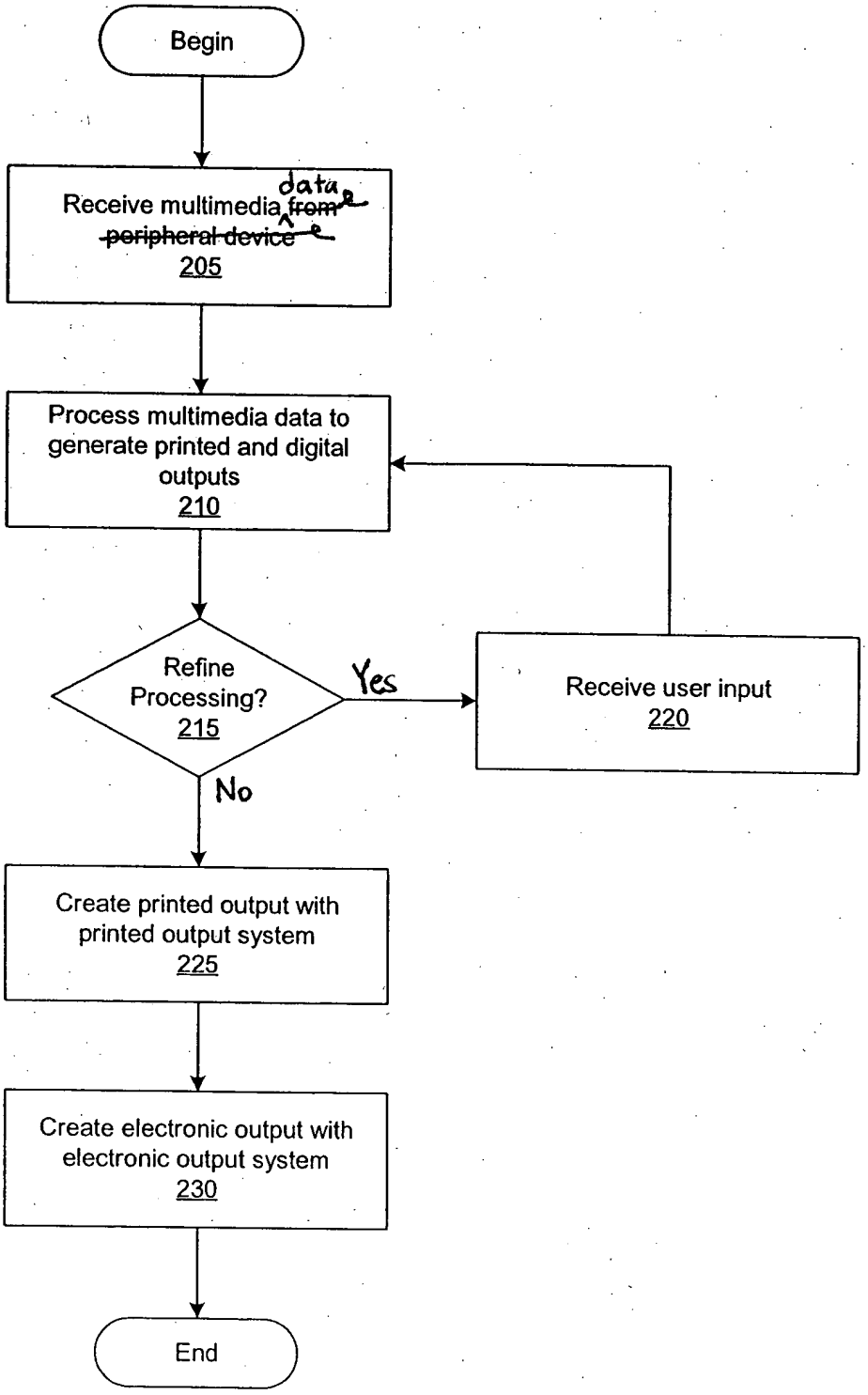

FIG. 2

Annotated Sheet

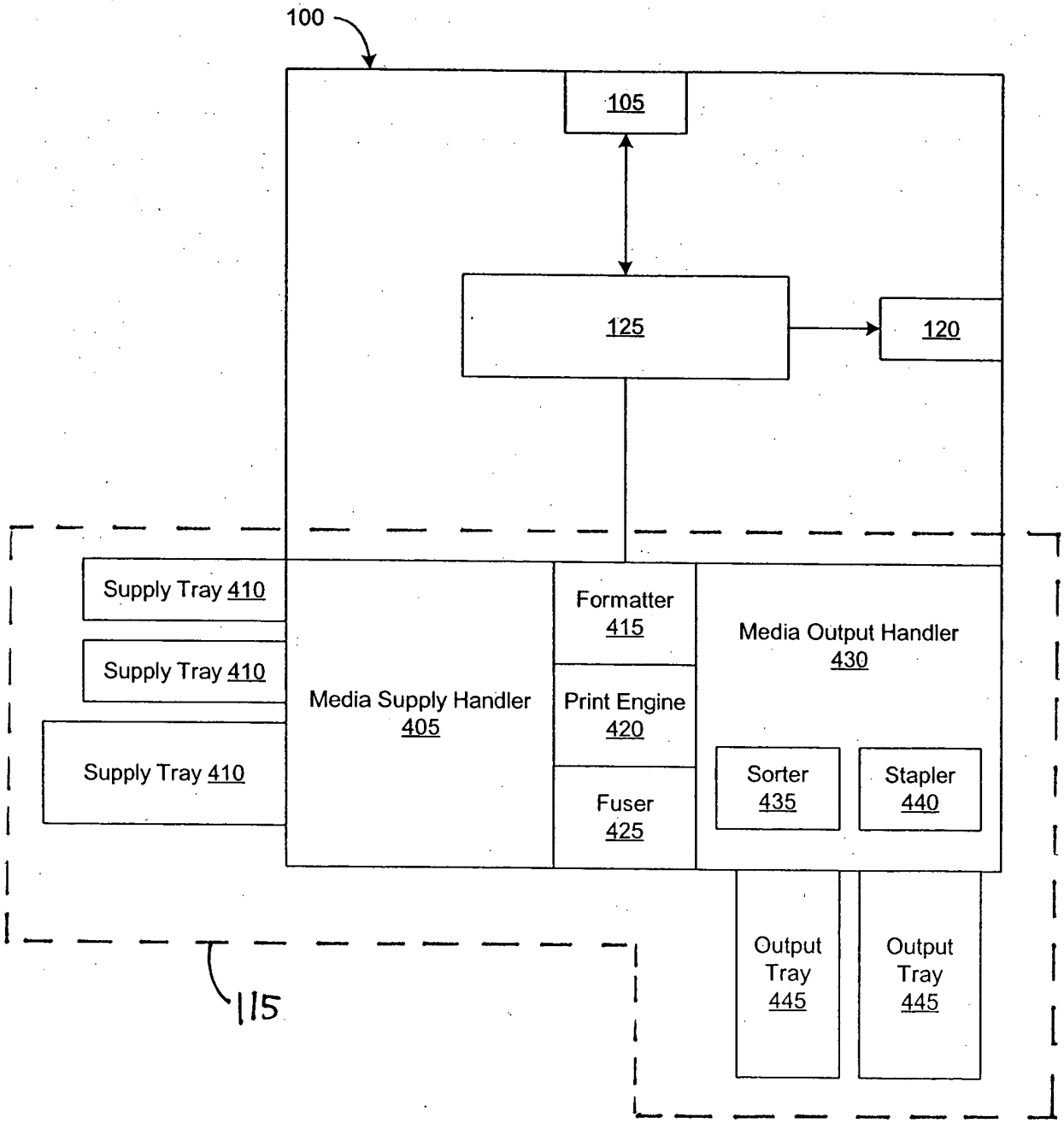

FIG. 4

Annotated Sheet

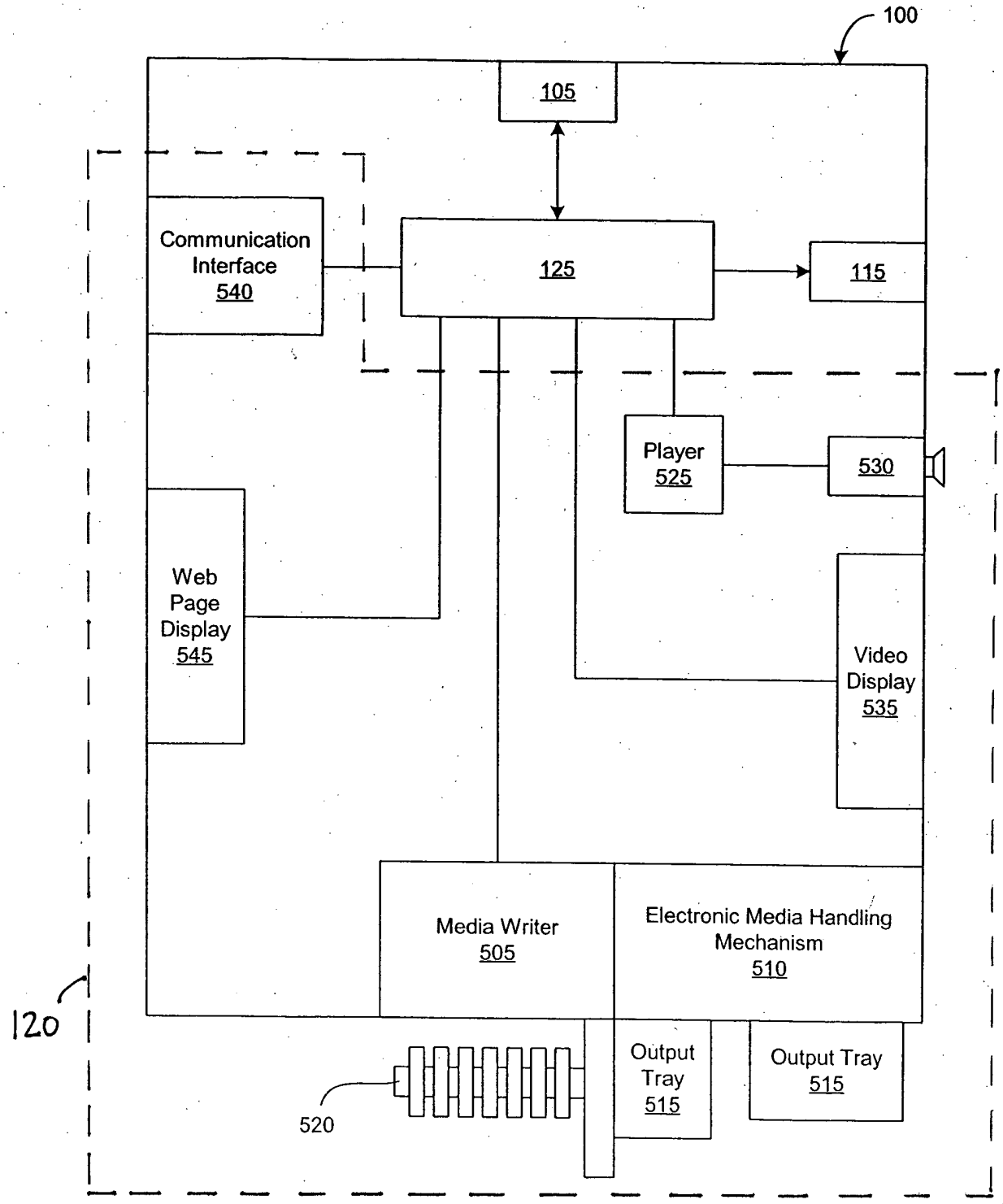

FIG. 5

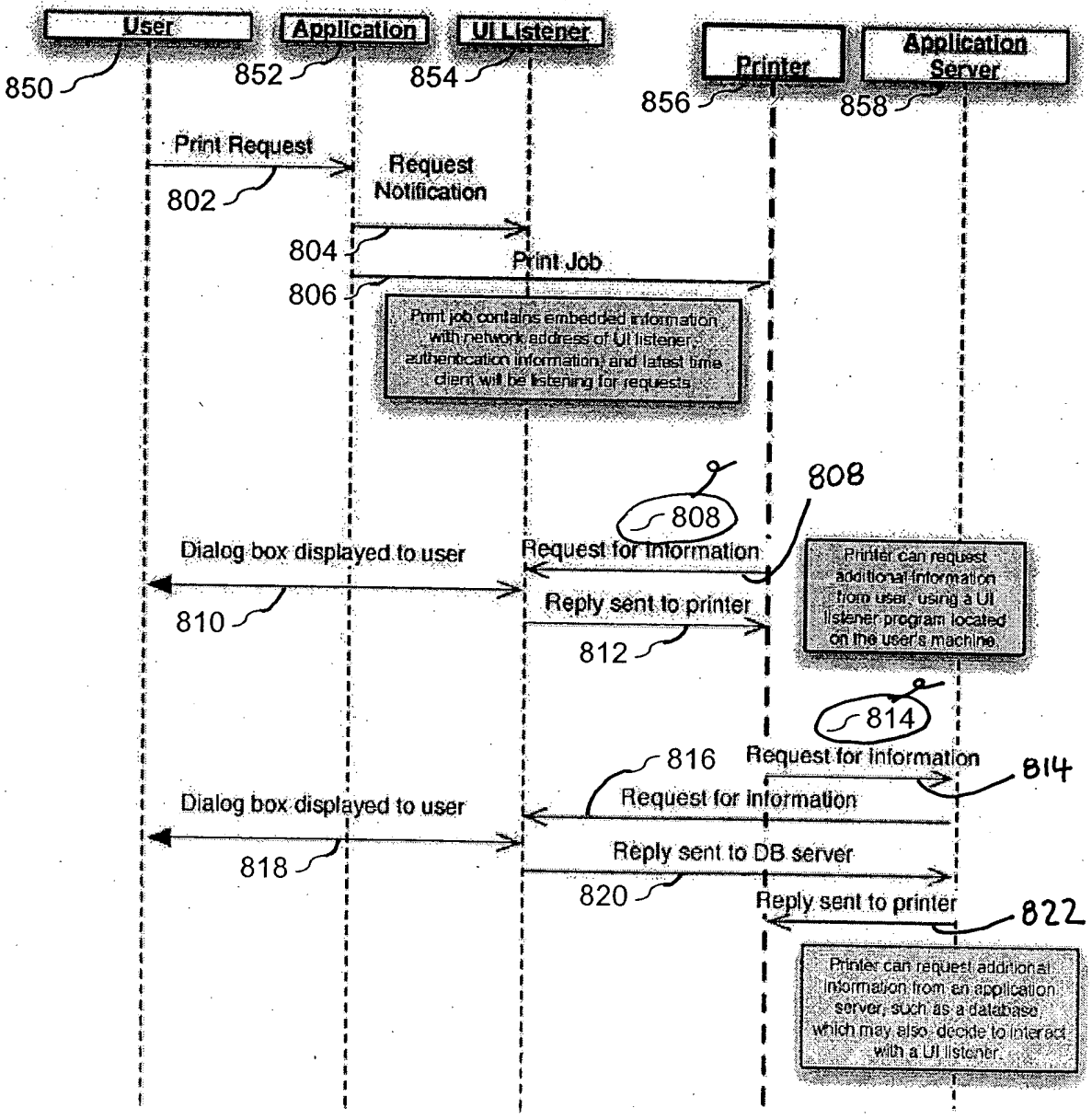
User
Application
UI Listener
Printer
Application Server
850
852
854
856
858
Print Request
802
Request Notification
804
Print Job
806
Print job contains embedded information with network address of UI listener, authentication information, and latest time client will be listening for requests
808
808
Dialog box displayed to user
Request for Information
Printer can request additional information from user, using a UI listener program located on the user's machine
810
Reply sent to printer
812
814
816
Request for Information
814
Dialog box displayed to user
Request for Information
818
Reply sent to DB server
820
Reply sent to printer
822
Printer can request additional information from an application server, such as a database, which may also decide to interact with a UI listener

Fig. 8